

Amendments to the Claims

1-37. (Canceled)

38. (Currently amended) An apparatus for transmitting data using a plurality of antennas in a mobile communication system, the apparatus comprising:

a feedback signal reception unit receiving channel status information for each of the plurality of antennas from a receiving side;

a data block segmentation unit segmenting a first data block into at least two second data blocks;

a Cyclic Redundancy Check (CRC) attachment unit attaching a CRC to each of the at least two second data blocks and dummy bits; and

a data block allocation unit allocating each of the at least two second data blocks with the attached CRC and the dummy bits with the attached CRC to the plurality of antennas based on the received channel status information, wherein each of the at least two second data blocks with the attached CRC is allocated to an antenna having good channel status and only the dummy bits with the attached CRC are allocated to an antenna having bad channel status, wherein the dummy bits are predefined between the apparatus and the receiving side, and wherein the channel status information is a positive acknowledgement (ACK) or a negative acknowledgement (NACK) determined by the receiving side independently for each of the plurality of antennas through which each of the at least two second data blocks and the dummy bits has been transmitted,

wherein each of the plurality of antennas transmits the allocated second data block with the attached CRC or the dummy bits with the attached CRC.

39. (Canceled)

40. (Currently amended) The apparatus of claim 38, wherein the CRC is differently attached to each of the at least two second data blocks and the dummy bits.

41. (Canceled)

42. (Currently amended) A method of transmitting data at a transmitting side using a plurality of antennas in a mobile communication system, the method comprising:

- receiving channel status information for each of the plurality of antennas from a receiving side;
- segmenting a first data block into at least two second data blocks;
- attaching a Cyclic Redundancy Check (CRC) to each of the at least two second data blocks and dummy bits; and
- allocating each of the at least two second data blocks with the attached CRC and the dummy bits with the attached CRC to the plurality of antennas based on the received channel status information, wherein each of the at least two second data blocks with the attached CRC is allocated to an antenna having good channel status and only the dummy bits with the attached CRC are allocated to an antenna having bad channel status, wherein the dummy bits are predefined between the transmitting side and the receiving side, and wherein the channel status information is a positive acknowledgement (ACK) or a negative acknowledgement (NACK) determined by the receiving side independently for each of the plurality of antennas through which each of the at least two second data blocks and the dummy bits has been transmitted,
- wherein each of the plurality of antennas transmits the allocated second data block with the attached CRC or the dummy bits with the attached CRC.

43. (Canceled)

44. (Currently amended) The method of claim 41, wherein the CRC is differently attached to each of the at least two second data blocks and the dummy bits.

45. (Canceled)